

Figure 1

MKEIAMRNSKRKPEPTPEAGKKLRLSTRRLRKRAQISPVLVQSPPLWSKQIGVSAASVDSCS
DLIADDNVSCGSSRVEKSSNPKKTLLIEEVESPKPGYNVKETIGDSKFRRITRSYSKLHKE 60
KEGDEIEVSESSCVDSNSGAGLRRLLNVRGNKINDNEEVESPKPGVTFAGHVNSRSLNFE 120
SENKESDvvSVISGVVEYCSKFGSVTGGADNEEIEISKPSSFVEADSSLGSAKELKPELEI 180
VGCVSIDLACSEKFSEEVSDSLDDESSEQRSSEIYSQYSDFDYSDYTSPIFFDSGSEFSEKS 240
SSDSPISHSRSLYLQFKEQFCRSTIPNDFGSSCEEIHSELLRFDDEEVEESYLRRLERE 300
RSHAYMRDCAKAYCSRMDNTGLIPRLSIMVQWIVVKQCSDMGLQQETLFLGYGLLDRFLS 360
KGSFKSERTLILVGIAASLTIALTRIENQPYNSIRKRNFTIONLRYSRHEVVAMEWLVQEV 420
LNEFKCFTPTIFNFWFYLKAARANPEVERKAKSLSLSDQTQLCFWPSTVAAALVVA 480
CIEHNKISAYQRVIKVHVRTTDNELPECVKSLDWLLGQ 540
578

Figure 2

SDS	377	MDN-TGLIPRLRSIMVQWIVKQCSDMGLQQETLFLGVGILLDRFLSKGSF	424
cyc2b		MAQQQFDISDKMRAILIDWLIEVHDKFELMNNETLFLTVNLIDRFLSKQAV	
cyc2a		M-QQIDLNIEKMRAILIDWLIEVHDKFELMNNETLFLTVNLIDRFLSKQNV	
Consensus	M	+ +R+I++ W++	L +ETLFL+V L+DRFLSK
SDS	425	KSERTLILVGIASLTLATRIE-NQPYNSIRKRNFNTIQNLRYSRHEVVA	472
cyc2b		-ARKKLQLVLVGLVALLLACKYEEVSVP---IVEDLUVVISDKAYTRTDVLE	
cyc2a		-MRKKLQLVLVGLVALLLACKYEEVSVP---VVVEDLVLISDKAYTRNDVLE	
Consensus		+ L LVG+ +L LA + EE P + I Y+R +V+	
SDS	473	MEWLVQEVNLNFKCFPTIFENFLFYILKAARANPEVERKAKSLAVTSLSD	521
cyc2b		MEKIMLSTLQFNMSLPTQYPFLKRFKAAQSDIKKLEILASFLLIELALVD	
cyc2a		MEKTMILSTLQFNMSLPTQYPFLKRFKAAQADIKKCEVFLASFLIELALVE	
Consensus	ME	- L+F PT + FL +LKAA A E A L +L D	

Figure 3

	SDS	cyc2b	cyc2a	cyc3b	cycD
SDS	100%	34%/52%	34%/52%	28%/49%	21%/42%
cyc2b		100%	87%/92%	40%/60%	21%/43%
cyc2a			100%	46%/64%	22%/43%
cyc3b				100%	22%/41%